



Rev. 04/01

Docket No. AEOMICA-1

107

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Penn et al.

Application No.: 09/774,203 Confirmation No.

Filed: : January 29, 2001

For: : METHODS AND APPARATUS FOR PREDICTING,
CONFIRMING, AND DISPLAYING FUNCTIONAL
INFORMATION DERIVED FROM GENOMIC
SEQUENCE

Group Art Unit : 1645

Hon. Commissioner
for Patents
c/o P.O. Box 2327
Arlington, VA 22202

TRANSMITTAL LETTER FOR
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

Transmitted herewith is a Supplemental Information Disclosure Statement in the above-identified application.

This Statement is submitted:

- within three months of the application filing date;
- more than three months from the application filing date but before the mailing date of the first Office Action on the merits;
- within three months of a communication from a foreign patent office in a counterpart foreign application.

In accordance with 37 C.F.R. § 1.97, submission of this Statement requires no fee. However, if for any reason a fee is due, the Director is hereby authorized to charge payment of any fees required in connection with this

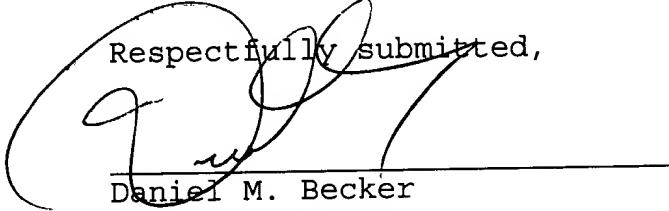
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7320
5/16/02

Information Disclosure Statement to Deposit Account

No. 06-1075. A duplicate copy of this letter is transmitted herewith.

Respectfully submitted,


Daniel M. Becker

Reg. No. 38,376

Attorney for Applicants

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Date of Deposit

Matt Caretto
Matt Caretto

5/11/02
Date of Signature



PATENTS
AEOMICA-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Penn et al.

Application No.: 09/774,203 Confirmation No. 7320

Filed: January 29, 2001

For: METHODS AND APPARATUS FOR PREDICTING,
CONFIRMING, AND DISPLAYING FUNCTIONAL
INFORMATION DERIVED FROM GENOMIC
SEQUENCE

Group Art Unit : 1645

Hon. Commissioner
for Patents
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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98,
applicants hereby make the following documents of record in
the above identified application:

U.S. Patents

5,837,832 11/1998 Chee et al.

Foreign Patents

WO 00/79006 12/2000 PCT

* Applicants reserve the right to challenge the status of any of the cited documents as prior art.

Other Documents

Guo et al., "Direct Fluorescence Analysis fo Genetic Polymorphisms by Hybridization with Oligonucleotide Arrays on Glass Supports," *Nucleic Acids Research* 22(24): 5456-5465 (1994).

Guo et al., "Oligonucleotide Arrays for High Resolution HLA Typing," *Reviews in Immunogenetics* 1: 220-230 (1999).

Hacia et al., "Detection of Heterozygous Mutations in *BRCA1* Using High Density Oligonucleotide Arrays and Two-Colour Fluorescence Analysis," *Nature Genetics* 14: 441-447 (1996).

Hacia et al., "Evolutionary Sequence Comparisons Using High-Density Oligonucleotide Arrays," *Nature Genetics* 18: 155-158 (1998).

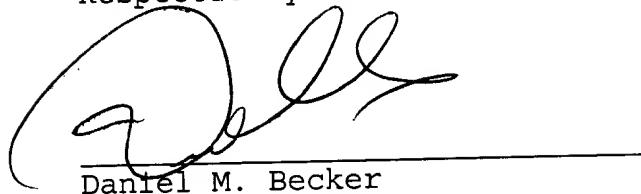
Hacia et al., "Strategies for Mutational Analysis of the Large Multiexon *ATM* Gene Using High-Density Oligonucleotide Arrays," *Genome Research* 8: 1245-1258 (1998).

It is respectfully requested that these documents be (1) fully considered by the Patent and Trademark Office during the examination of this application; and (2) printed on any patent that may issue on this application.

Applicants request that a copy of Form PTO-1449 (submitted in duplicate herewith), as considered and initialed by the Examiner, be returned with the next communication.

An early and favorable action is respectfully requested.

Respectfully submitted,



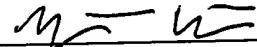
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5/1/02

Date of Signature

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
AEOMICA-1SERIAL NO.
09/774,203INFORMATION DISCLOSURE
STATEMENT BY APPLICANTAPPLICANT
Penn et al.FILING DATE
January 29, 2001GROUP
1645

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,837,832	11/1998	Chee et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION EXES NO
	WO 00/79006	12/2000	PCT			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
	Guo et al., "Direct Fluorescence Analysis of Genetic Polymorphisms by Hybridization with Oligonucleotide Arrays on Glass Supports," <i>Nucleic Acids Research</i> 22(24): 5456-5465 (1994).
	Guo et al., "Oligonucleotide Arrays for High Resolution HLA Typing," <i>Reviews in Immunogenetics</i> 1: 220-230 (1999).
	Hacia et al., "Detection of Heterozygous Mutations in BRCA1 Using High Density Oligonucleotide Arrays and Two-Colour Fluorescence Analysis," <i>Nature Genetics</i> 14: 441-447 (1996).
	Hacia et al., "Evolutionary Sequence Comparisons Using High-Density Oligonucleotide Arrays," <i>Nature Genetics</i> 18: 155-158 (1998).
	Hacia et al., "Strategies for Mutational Analysis of the Large Multiexon ATM Gene Using High-Density Oligonucleotide Arrays," <i>Genome Research</i> 8: 1245-1258 (1998).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.



Application No: GB 0123361.8 Examiner: Dr Jeremy Kaye
Claims searched: 1-18, 21-81, 92 (Filed Date of search: 20 March 2002
28/09/2001)

Patents Act 1977
Search Report under Section 17

Databases searched:

UK Patent Office collections, including GB, EP, WO & US patent specifications, in:

UK Cl (Ed.T): C2L

Int Cl (Ed.7):

Other: Online: EPODOC, WPI, PAJ, BIOSIS, CAPLUS, EMBASE, MEDLINE, SCISEARCH,
Internet: Lebl M., Leblova Z.: Dynamic database of references in molecular diversity. Internet <http://www.5z.com>.

Documents considered to be relevant:

Category	Identity of document and relevant passage	Relevant to claims
P, X	WO 00/79006 A1 (FRED HUTCHINSON CANCER RES.)	1-18, 21-81, 92
X	US 5837832 (CHEE ET AL.)	1-18, 21-81, 92
X	Rev. Immunogenetics, Vol.1, 1999, Guo, Z. et al., "Oligonucleotide arrays...", pp.220-230.	1-18, 21-81, 92
X	Genome Res., Vol.8, 1998, Hacia, J. G. et al., "Strategies for mutational...", pp.1245-1258.	1-18, 21-81, 92
X	Nature Genetics, Vol.18, Feb. 1998, Hacia, J. G. et al., "Evolutionary sequence comparisons...", pp.155-158.	1-18, 21-81, 92
X	Nature Genetics, Vol.14, Dec. 1996, Hacia, J. G. et al., "Detections of heterozygous...", pp.441-447.	1-18, 21-81, 92
X	Nuc. Acids Res., Vol.22, No.24, 1994, Guo, Z. et al., "Direct fluorescence of genetic...", pp.5456-5465.	1-18, 21-81, 92

X	Document indicating lack of novelty or inventive step	A	Document indicating technological background and/or state of the art.
Y	Document indicating lack of inventive step if combined with one or more other documents of same category.	P	Document published on or after the declared priority date but before the filing date of this invention.
&	Member of the same patent family	E	Patent document published on or after, but with priority date earlier than, the filing date of this application.